

# ***CONTINUOUS MINERS - DRUM TYPE***

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## **A. Original Equipment Manufacturer (OEM)**

The following OEMs offer noise controls for new continuous miners. Local dealers can provide cost and availability information.

<b>Manufacturer</b>	<b>Treated Pan Line</b>	<b>Treated Dust Scrubber</b>	<b>Other Options</b>	<b>Remote Control</b>
Eimco	X			X
Jeffrey	X			X
Joy	X	X		X
Simmons-Rand	X	X		X

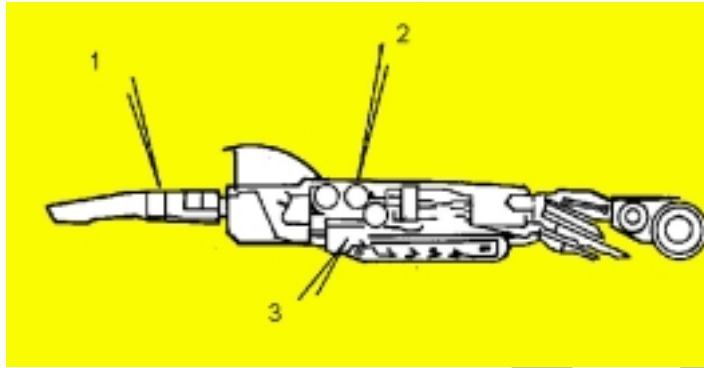
"X" indicates product availability.

For older continuous miners without noise controls, additional retrofit controls are recommended.

## **B. Retrofit Noise Controls**

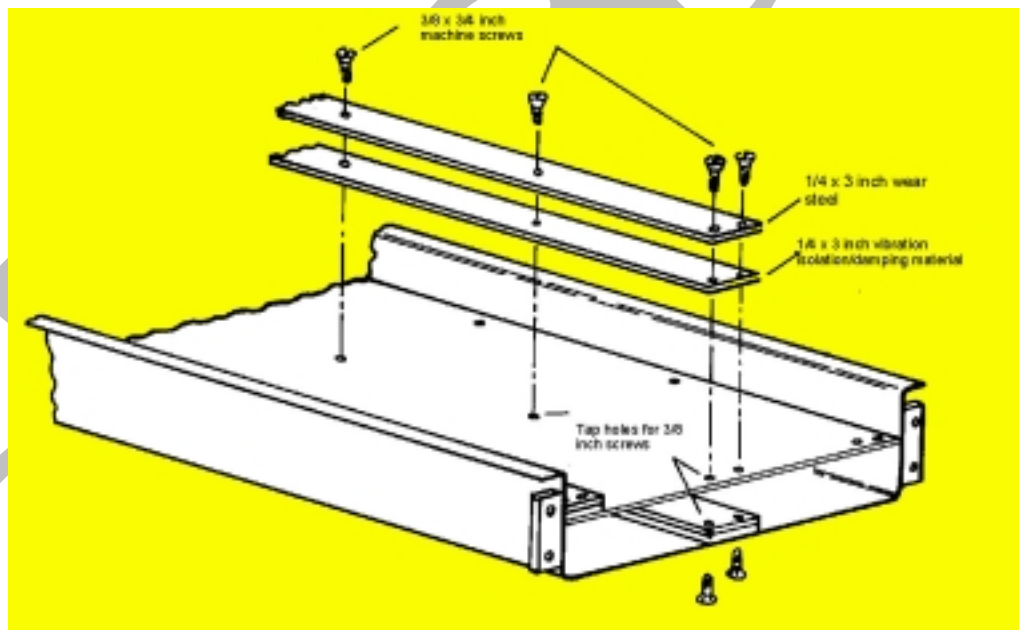
The effectiveness of noise controls depends on the quality of the acoustical materials and the installation. If a retrofit kit is not available, the acoustical materials may be purchased in bulk from suppliers listed in Appendix B. Retrofit noise controls may be applied to the following areas:

1. Conveyor Pan Line and Chain Turnaround
2. Dust Scrubber
3. Motor Covers

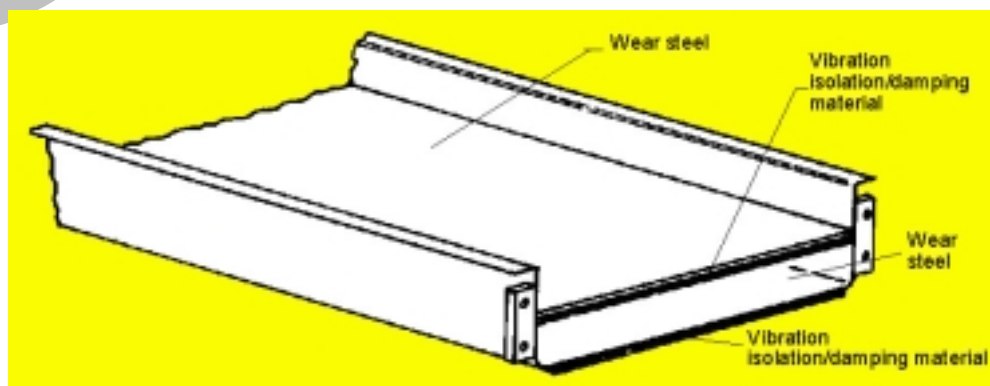


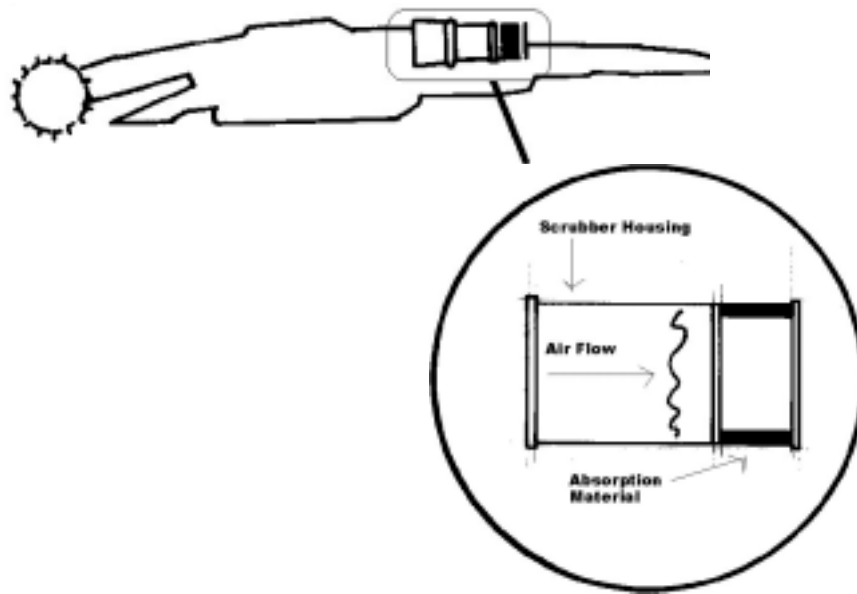
1. Conveyor Pan Line and Chain Turn-Around - Treat conveyor pan line to reduce vibration and isolate the chain and flights from the pan. This can be accomplished with individual strips or full coverage. The chain turn-around should provide smooth transition for the chain and flights.

A. Constrained-layer damping of conveyor pan using individual strips:

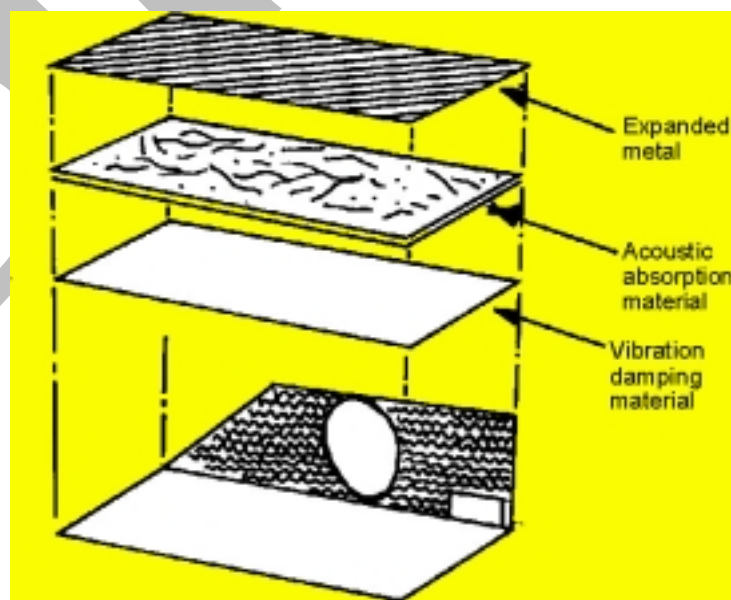


B. Constrained-layer damping of conveyor pan using full coverage:





2. Dust Scrubber - Install an acoustical silencer on the scrubber exhaust. The silencer is made from acoustical foam with a porous cover to protect against dust, water, and grease. Ensure its continued effectiveness by proper and frequent maintenance.
3. Motor Covers - Treat motor cover panels to reduce motor noise reaching the operator. Applying an absorptive layer and a vibration damping layer are recommended.



### **C. Alternative Technology**

Remote Controls - In certain situations, remote control can be used as a noise control by increasing the distance between the operator and the machine. Manufacturers of continuous miners can provide details on remote control systems for their machines.

# ***CONVEYORS - CHAIN***

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[See Continuous Miners](#)

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